

ABSTRACT OF THE DISCLOSURE

The audio data storage device of the present invention comprises: a storage device for storing audio data; a channel detector for detecting a channel of the audio data; an input sample number detector for detecting the number of samples of the audio data to be written into the storage device; an output sample number detector for detecting the number of samples of the audio data to be read from the storage device; an address generator for generating an address for writing and reading the audio data based on the channel detected by the channel detector, the number detected by the input sample number detector, the number detected by the output sample number detector, the number of channels of the audio data, and the number of samples included in one channel; and a controller for directing the storage device to read and write the audio data based on the address generated by the address generator.